GHG Reduction Policy and Status of Inventory and 210102 OF UNGLIONA

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Lee, Minyoung

Researcher Greenhouse gas Inventory & Research Center of Korea



Green Growth Vision& Voluntary Reduction Goal

Declaration of Green Growth Vision

Envisioning the next 60 years (announcement of a new national vision in the 60th anniversary of the founding of the Republic on August 15th, 2008)





More than just a development strategy

- Changing people's behavior and way of thinking
- Creating a new civilization

Background of Green Growth

Climate Impact

- Average temperature rise 1.7°C (almost 2 times higher than world average)

Energy security vulnerability

- 140 billion USD bill for energy imports(2008)

Economic slow-down

- Growth rate declining since the Asian economic crisis in late 1990s
- Growth without rise in employment

"New vision is needed"

Turning Vision into Real Actions

(1) Establish the Presidential Committee on Green Growth (Feb.'09)

(2) Enact of the Framework Act on Low-carbon Green Growth(Dec. '09)

(3) Set up the National midterm reduction goal (Nov. '09)

(4) Establish the GHG Inventory & Research Center of Korea (July. '10)

(1) Presidential Committee on Green Growth



Overview

- Established under the direct control of the President
- Manage the national agenda of 'Low-Carbon, Green Growth'



Tasks

- Coordinate and review Low Carbon Green Growth policies
- · Setup action plans and policy measures for green growth



Milestones

- Dec. 2008 Preparatory TF organized
- Feb. 2009 1st PCGG meeting (6 meetings have been held)
- Feb. 2009 Government draft of 「Framework Act on Low Carbon Green Growth」 finalized
- Jul. 2009 Five-Year National Plan for Green Growth finalized
- Dec. 2009 Framework Act on Low Carbon Green Growth passed by the National Assembly

(2) Legal Framework

Framework Act on Low Carbon Green Growth

- Enact the Framework Act on Green Growth
 - * effective as of April 14th, 2010
- Has priority over all relevant laws regarding Green Growth

Key Provisions

- 1) Legal grounds for the Presidential Committee on Green Growth
- 2) Mandates the government to foster and support green economy, green industry
- 3) Fosters financing for green technology R&D and green investments, as well as, mandates the promotion of environment-friendly tax reform
- 4) Mandates the government to set concrete targets for GHG emission reductions
- 5) Mandates for mandatory reporting of GHG emissions and setting targets for GHG mitigation and energy saving of large-scale entities
- 6) Establishes a National integrated GHG information management system; Greenhouse Gas Inventory & Research Center of Korea
- 7) Provides the legal framework to introduce a cap & trade system in Korea
- 8) Articles on environment-friendly land use, green building, low carbon transportation, green consumption and production, and other issues related to sustainable development

(3) National Mid-term Reduction Goal

Decision made on mid-term GHG reduction goal by 2020, at Presidential Cabinet Meeting: to cut GHG Emissions by 30% from BAU (17 Nov 2009)



Decision Made for the Larger National Interest (Historic C abinet Meeting)

Removing Trade Barriers, Enhancing Energy Security, Preoccupying Global Green Markets

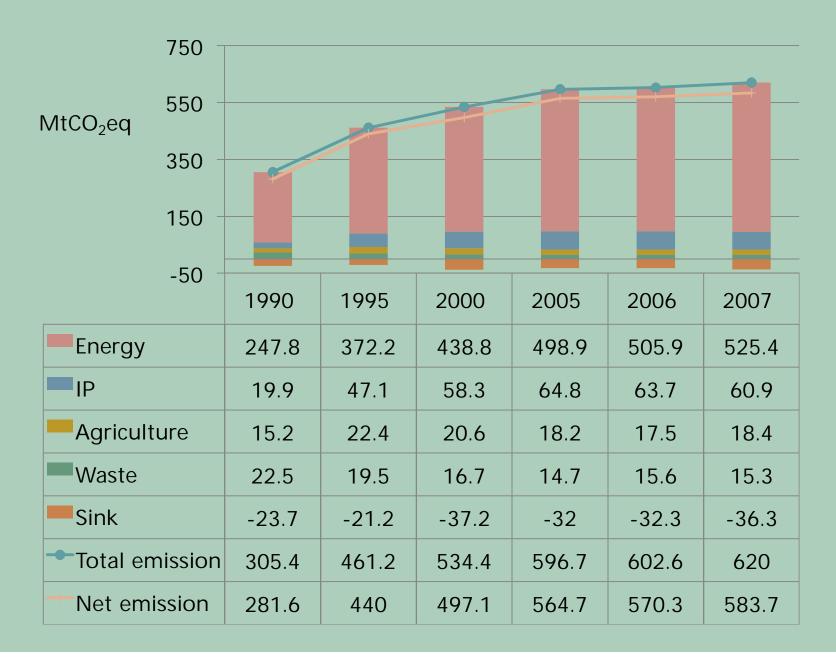
Transformation to Green Lifestyle with Concerted Efforts Among Citizens, Firms and Governments

Creating More Conducive Atmosphere for all Countries' A ctive Participation

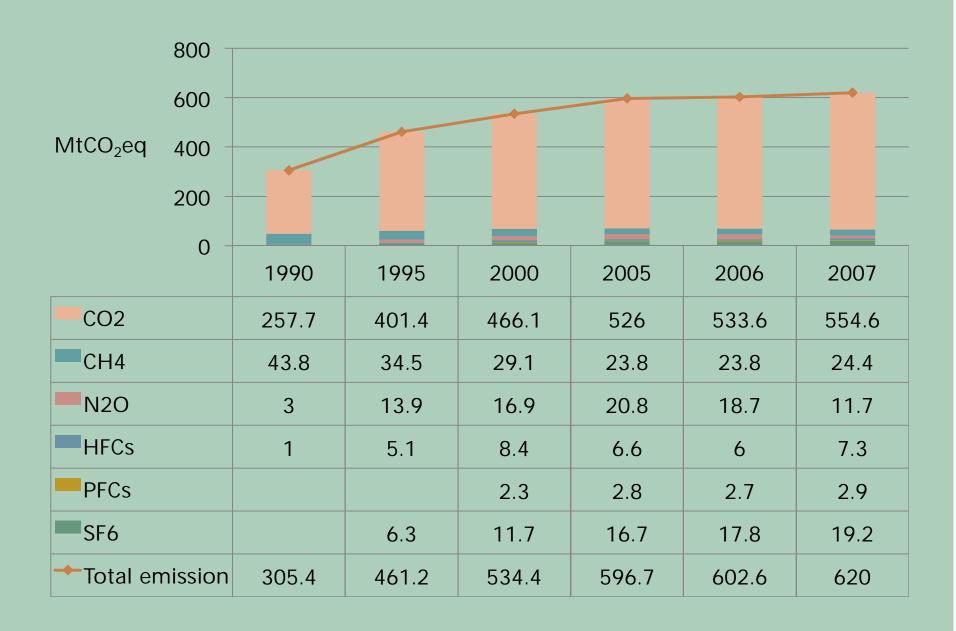
Followup Measures

- Establish an independent and permanent research center
- Set sectoral reduction and implementation plan

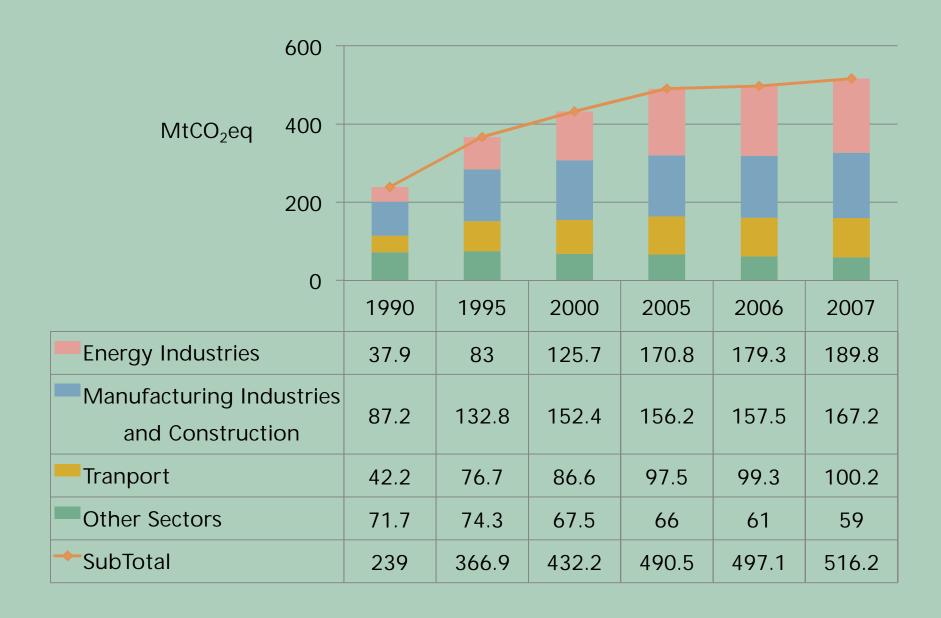
Greenhouse Gas Emissions by Sources



Greenhouse Gas Emissions by Gas



CO₂ Emissions from Fuel Combustion by Sector



The Effort to Develop the GHG Inventory

- ◆ Establishing National integrated GHG information management system
 - ✓ Greenhouse Gas Inventory & Research Center of Korea
 - ✓ Mandating domestic verification step

- ◆ Development of National System
 - ✓ Institutional Arrangement
 - ✓ Legal Arrangement
 - ✓ Procedural Arrangement